

COMPUTER CONTROLLED SYSTEM FOR MODULARIZING THE  
INFORMATION TECHNOLOGY STRUCTURE OF A BUSINESS ENTERPRISE  
INTO A STRUCTURE OF HOLONIC SELF-CONTAINED MODULES

Abstract

5 A system for facilitating the reorganization of the  
information technology of a business organization into a  
structure that is modular and, thus, interchangeable  
between business units within the enterprise, and  
particularly within World Wide Web enterprises involving  
10 several correlated companies.

A computer controlled system is provided for  
modularizing the information technology structure of a  
business organization into a structure of interchangeable  
holonic self-contained modules, with each module  
15 performing a set of related functions comprising means  
for providing a plurality of sets of self-controlling  
holons, with each holon in each set performing a business  
capability of the same type as performed by the other  
holons in its respective set but each set of holons  
20 performing a different business capability type than the  
other sets of holons. A plurality of integration holons  
are provided, with each integration holon respectively  
integrating the holons in one of said sets to provide a  
coordinated overall business capability of one of said  
25 different types. The system also provides for  
modularizing the information technology structure of a  
business organization so that each integration holon  
integrates the holons in one of the sets to unitary  
overall combination business capability holon. Such  
30 combined sets of holons may perform a World Wide Web  
business capability, an internal business organization  
capability and/or a data processing organization type of  
capability.